Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/04/2019 09:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125434	0	1.05	125531	1.02
Blue	F	SSC	125000	126007	0	1.81	126808	1.77
Blue	E	FITC	16122	15891	-2	2.69	345	19.34
Blue	D	PE	29316	28932	-2	1.84	632	14.44
Blue	B	PerCP-Cy5-5	42590	42203	-1	3.53	1133	20.03
Blue	A	PE-Cy7	33146	33378	0	5.89	635	40.66
Red	C	APC	45473	44984	-2	2.44	1595	12.06
Red	A	APC-Cy7	31961	31028	-3	2.37	819	12.07
Violet	B	V450	7914	7573	-5	5.47	423	13.60
Violet	A	V500	29769	29641	-1	5.43	689	11.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20904	2.86	608	8	N/A	N/A	Pass
Blue	F	SSC	57257	1.25	553	15	N/A	N/A	Pass
Blue	E	FITC	63	60.01	541	4	0.0210	78	Pass
Blue	D	PE	132	48.86	543	6	0.1702	275	Pass
Blue	B	PerCP-Cy5-5	208	49.06	648	10	0.0094	56	Pass
Blue	A	PE-Cy7	118	99.47	701	10	0.0110	12	Pass
Red	C	APC	377	25.26	588	9	0.0246	152	Pass
Red	A	APC-Cy7	180	29.26	564	8	0.0055	1126	Pass
Violet	B	V450	65	60.16	470	10	0.0534	2220	Pass
Violet	A	V500	104	32.35	483	11	0.0214	531	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.31	-32.11	0.95
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.50
Red	16.05	13.60 - 20.40	N/A	N/A	29.81	30.09	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11392

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments